

Form PTO-1449 (modified)

Atty. Docket No.

CLFR:232US

Serial No.

10/790,291

List of Patents and Publications for Applicant's

Applicant

G. Barrie Kitto

Daniel C. Hirshhora

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

March 1, 2004

Group:

1638

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
CKW	B1	WO 02/083072	10/24/02	WIPO			English
CKW	B2	WO 95/21248	8/10/95	WIPO			English
CKW	B3	WO 04/026240	4/1/04	WIPO			English

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
CKW	C19	Smith <i>et al.</i> , "Plant-derived immunocontraceptive vaccines," <i>Reprod. Fertil. Dev.</i> , 9(1):85-89, 1997.

25558527.1

EXAMINER:

DATE CONSIDERED:

4-14-06

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)



Form PTO-1449 (modified)

Atty. Docket No.

CLFR:232US

Serial No.

10/790,291

List of Patents and Publications for Applicant's

Applicant

G. Barrie Kitto

Daniel C. Hirshhora

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

March 1, 2004

Group:

1638

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
CKW	A1	2004/0088765	5/06/04	Kitto <i>et al.</i>	800	288	9/19/02
	A2	10/789,729		Kitto <i>et al.</i>			2/27/04
	A3	4,290,944	9/22/81	Goldberg	260	112.5R	7/31/80
	A4	5,480,799	1/02/99	O'Rand <i>et al.</i>	435	252.3	12/10/93
CKW	A5	5,656,488	8/12/97	Curtiss, III <i>et al.</i>	435	252.33	4/01/94

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
CKW	C1	Arakawa <i>et al.</i> , "Efficacy of a food plant-based oral cholera toxin B subunit vaccine," <i>Nature Biotechnol.</i> , 16:292-297, 1998.
	C2	Bona and Bot, <i>Genetic Immunization</i> , Kluwer Academic/Plenum Publisher, New York, NY, 2000.
	C3	Bradley <i>et al.</i> , "A bait-delivered immunoconceptive vaccine for the European red fox ( <i>Vulpes</i> ) by the year 2002?" <i>Reprod Fertil Dev</i> , 9:111-116, 1997.
	C4	Darji <i>et al.</i> , "Oral delivery of DNA vaccines using attenuated <i>Salmonella typhimurium</i> as carrier," <i>FEMS Immunol Med Microbiol</i> , 27:341-349, 2000.
	C5	Darji <i>et al.</i> , "Oral somatic transgene vaccination using attenuated <i>S. typhimurium</i> ," <i>Cell</i> , 91:765-775, 1997.
CKW	C6	Diekman <i>et al.</i> , "Sperm antigens and their use in the development of an immunoconceptive," <i>Am J Reprod Immunol.</i> , 37:111-117, 1997.

25537644.1

EXAMINER:

DATE CONSIDERED:

4/14-06

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)		Atty. Docket No. CLFR:232US	Serial No. 10/790,291
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Applicant G. Barrie Kitto Daniel C. Hirshhora	
		Filing Date: March 1, 2004	Group: 1638
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>	

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
CKW	C7	Goldberg <i>et al.</i> , "Control of fertilization by immunization with peptide fragments of sperm specific LDH-C4," <i>Adv Exp Med Biol.</i> , 207:395-406, 1986.
	C8	Goldberg <i>et al.</i> , "Reduction of fertility in female baboons immunized with lactate dehydrogenase-C4," <i>Fertil Steril</i> , 35:214, 1981.
	C9	Goldberg, "Human LDH-C peptide as an immunocontraceptive preparation for phase I clinical trials," <i>Am J Reprod Immunol.</i> , 40:250-251, 1998 (Abstract)
	C10	Goldberg, "Infertility on female rabbits immunized with lactate dehydrogenase-X," <i>Science</i> , 181:458, 1973.
	C11	Goldberg, "Lactate dehydrogenase C4 as an immunocontraceptive model," in <i>Gamete Interaction: Prospects for immunocontraception</i> , Wiley-Liss, Inc., pp. 63-73, 1990.
	C12	Gupta, "LDH-C4: a unique target of mammalian spermatozoa," <i>Crit Rev Biochem Mol Biol.</i> , 34:361-385, 1999.
	C13	Hogrefe <i>et al.</i> , "Characterization of the antigenic sites on the refined 3-A resolution structure of mouse testicular lactate dehydrogenase C4," <i>J. Biol. Chem.</i> , 262:13155-13162, 1987.
	C14	Kamumaya <i>et al.</i> , "Design and immunological properties of topographic immunogenic determinants of a protein antigen (LDH-C4) as vaccines," <i>J. Biol. Chem.</i> , 267:6338-6346, 1992.
	C15	Lerum and Goldberg, "Immunological impairment of pregnancy in mice by lactate dehydrogenase-X," <i>Biol Reprod</i> , 11:108, 1974.
	C16	Mason <i>et al.</i> , "Expression of Norwalk virus capsid protein in transgenic tobacco and potato and its oral immunogenicity in mice," <i>Proc. Natl. Acad. Sci. USA</i> , 93:5335-5340, 1996.
	C17	O'Hern <i>et al.</i> , "Colinear synthesis of an antigen-specific B-cell epitope with a 'promiscuous' tetanus toxin T-cell epitope: a synthetic peptide immunocontraceptive," <i>Vaccine</i> , 16:1761-1766, 1997.
CKW	C18	O'Hern <i>et al.</i> , "Reversible contraception in female baboons immunized with a synthetic epitope of sperm-specific lactate dehydrogenase," <i>Biol. Reprod.</i> , 52:331-339, 1995.

25537644.1

EXAMINER:

DATE CONSIDERED:

4-14-06

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.